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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☒ The attached application, or  
☐ Application No. \_\_\_\_\_, filed on \_\_\_\_\_,  
☐ as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**

Inventor one: Kostantinos Kourtakis

Signature: Kostantinos Kourtakis

Citizen of: US

Inventor two: Leo E. Manzer

Signature: Leo E Manzer

Citizen of: US

Inventor three: \_\_\_\_\_

Signature: \_\_\_\_\_

Citizen of: \_\_\_\_\_

Inventor four: \_\_\_\_\_

Signature: \_\_\_\_\_

Citizen of: \_\_\_\_\_

☐ Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	
Filing Date	
First Named Inventor	Kostantinos Kourtakis
Group Art Unit	
Examiner Name	
Attorney Docket Number	CL1560 US NA

I hereby appoint:

☒ Practitioners at Customer Number

23906



PATENT TRADEMARK OFFICE

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

☐ Firm or  
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☒ Applicant.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

*Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).*

**SIGNATURE of Applicant or Assignee of Record**

Name	Kostantinos Kourtakis
Signature	
Date	January 2, 2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 2 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	Application Number	
	Filing Date	
	First Named Inventor	Kostantinos Kourtakis
	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	CL1560 US NA

I hereby appoint:

☒ Practitioners at Customer Number

23906



OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

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I am the:

☒ Applicant.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

*Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).*

**SIGNATURE of Applicant or Assignee of Record**

Name	Leo E. Manzer
Signature	<i>Leo E. Manzer</i>
Date	JAN 2/2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 2 forms are submitted.

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AUGUST 28, 2001

PTAS

E. I. DU PONT DE NEMOURS AND COMPANY

~~CHYRREA J. SEBREE~~ *John Langworthy*

LEGAL-PATENTS

1007 MARKET STREET

WILMINGTON, DELAWARE 19898

*CL-1560 USNA*

UNITED STATES PATENT AND TRADEMARK OFFICE  
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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/14/2001

REEL/FRAME: 011903/0065  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KOURTAKIS, KOSTANTINOS

DOC DATE: 04/04/2001

ASSIGNOR:

MANZER, LEO E.

DOC DATE: 04/03/2001

ASSIGNEE:

E.I. DU PONT DE NEMOURS AND  
COMPANY

1007 MARKET STREET

LEGAL PATENTS

WILMINGTON, DELAWARE 19898

SERIAL NUMBER: 09757440

PATENT NUMBER:

FILING DATE: 01/10/2001

ISSUE DATE:

011903/0065 PAGE 2

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT DIVISION  
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3-21-2001

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

SHEET



101755084

To the Honorable Commissioner

the attached original documents or copy thereof

## 1. Submission Type:

- ☒ New  
☐ Resubmission (Non-Recordation)

Document ID#

- ☐ Correction of PTO Error

Reel #

Frame #

- ☐ Corrective Document

Reel #

Frame #

Data Element in Question :

## Conveyance Type:

- ☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other

US. GOVERNMENT

(For Use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

Total No. of pages of conveyance document including attachments

## 4. Name of conveying party(ies):

<sup>1</sup>Kourtakis, Kostantinos<sup>2</sup>Manzer, Leo E.Additional name(s) of conveying party(ies) attached?: ☐ Yes ☒ NoExecution Date: <sup>1</sup>4/4/2001<sup>2</sup>4/3/2001

## 5. Name and address of receiving party(ies):

E. I. DU PONT DE NEMOURS AND COMPANY  
LEGAL PATENTS  
1007 MARKET STREET  
WILMINGTON, DELAWARE 19898

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 5. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): 09/757,440

B. Patent No.(s):

Docket No.: CL-1560 US NA

Additional numbers attached: ☐ Yes ☒ No

## 6. Correspondent Name &amp; Address:

CHYRREA J. SEBREE  
E. I. DU PONT DE NEMOURS AND COMPANY  
LEGAL-PATENTS  
1007 MARKET STREET  
WILMINGTON, DELAWARE 19898

7. Total number of applications and patents involved: 1

## 8. Total fee (37 CFR 3.41).....\$40.00

- ☐ Enclosed (Check No.: \_\_\_\_\_)  
☒ Authorized to be charged to deposit account

9. Deposit account number: 04-1928

(Attach duplicate copy of this page if paying by deposit account)

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## 10. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

CAROL REEDER

SENIOR LEGAL CLERK

Signature

Date

Total number of pages comprising cover sheet: 1

# ASSIGNMENT

We, the undersigned

**KOSTANTINOS KOURTAKIS and LEO E. MANZER**

Hereby declare that

We are the true and first inventors of an invention entitled

## **GEL CATALYSTS AND METHODS FOR THEIR USE IN CATALYTIC DEHYDROGENATION PROCESSES**

(which is identified as Case Number **CL1560 US NA**) and which is disclosed in an application for Letters Patent in the United States of America., executed the

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto **E. I. du Pont de Nemours and Company**, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

We further authorize our attorney/patent agent to insert below\* the application number and filing date of the aforesaid United States application now identified as Case Number **CL1560 US NA** after the same shall have been made known to him/her by the United States Patent Office.

Kostantinos Kourtakis (L.S.)  
**KOSTANTINOS KOURTAKIS**  
DATE: April 4, 2001

Leo E. Manzer (L.S.)  
**LEO E. MANZER**  
DATE: 4/3/2001

\*The application referred to above as Case Number **CL1560 US NA** was filed in the United States Patent Office on

Jan 10, 2001, and was given Application No. 09/157440  
This insertion made by me this 27 day of April, 2001.

Chyrea J. Sebrée  
**CHYREA J. SEBRÉE**  
ATTORNEY/PATENT AGENT FOR APPLICANTS  
Registration No. 45349